

# a/sexual reprod. quiz

- 1 Mitosis begins in which cell organelle?
  - A the endoplasmic reticulum
  - B the mitochondria
  - C the cytoplasm
  - D the nucleus
- 2 How is mitosis in plant cells different from mitosis in animal cells?
  - A Plants cells form cell plates for their cell wall.
  - B Plant cells don't undergo mitosis.
  - C Plant cell mitosis is slower.
  - D Plant cell mitosis is much faster.
- 3 What are the stages of mitosis?
  - A Anapest, prophase, multiphase, and telephase
  - B Prophase, metaphase, anaphase, and telophase
  - C Adenine, guanine, thymine, and cytosine
  - D Phase1, Phase2, Phase3, Phase4
- 4 What happens during the VERY END of mitosis?
  - A The cell membrane splits
  - B the nucleus splits again
  - C the chromosomes divide
  - D centrioles appear
- 5 What is a chromosome?



- A a small piece of the cell membrane
- B structures made of bunched or bundled DNA

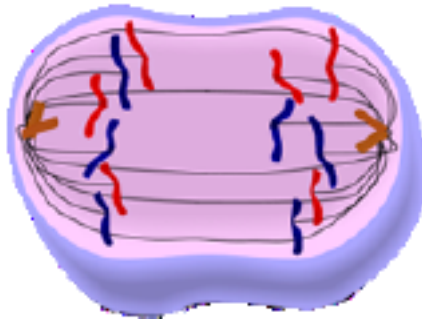
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- C the protein center of the cell
- D bacteria that have invaded a cell's nucleus

6 Where are duplicated chromosomes found during metaphase?

- A In a group against the cell wall
- B In a group against the cell membrane
- C Lined up in the center of the cell
- D Pulled to opposite ends of the cell

7 In the picture to the right, what phase is being shown?



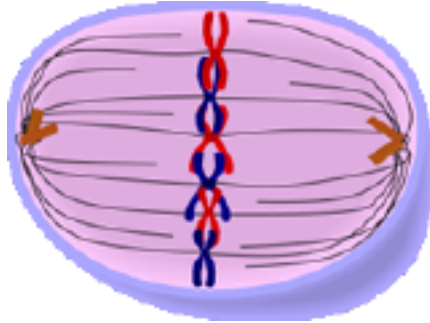
- A Telophase
- B Anaphase
- C Prophase

8 In mitosis, how does the number of chromosomes in a daughter cell compare to the number of chromosomes in the parent cell?

- A The daughter cell has one-half the number of chromosomes.
- B The daughter cell has twice the number of chromosomes.
- C The daughter cell has the same exact number of chromosomes
- D the daughter cell has one-fourth the number of chromosomes

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9 What phase comes before the phase pictured to the right?



- A Prophase
- B Cytokinesis
- C Metaphase

10 How is regeneration a form of asexual reproduction?

- A A creature that's been split in half can grow into two new organisms.
- B A creature that's been split in half can grow back three bodies.
- C A creature that's been split in half can grow back two vital organs

11 What do the children of asexual reproduction have in common with the parents?

- A Everything, they are exact copies.
- B They can only reproduce once per lifetime.
- C They have exactly half of their parents' genetic material.
- D They have double their parents' genetic material.

12 How does your sperm or egg cell differ from all the other cells in your body?

- A Sperm and egg cells contain three times the number of genes as the others.
- B Sperm and egg cells contain twice the number of genes as the others.
- C Sperm and egg cells contain half the number of genes as the others.

13 During the process of diffusion

- A a cell surrounds and absorbs large particles.

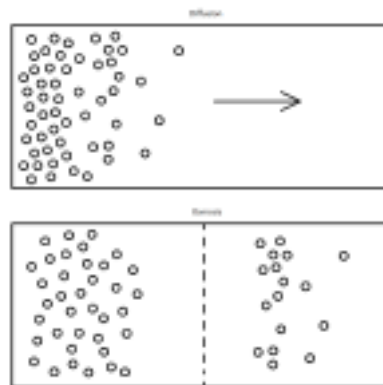
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- B particles move from areas of lower concentration to higher concentration
- C a cell surrounds and gets rid of large particles
- D particles move from areas of higher concentration to lower concentration.

14 The processes shown below show particles moving toward

- A Osmosis
- B Diffusion
- C Active Transport
- D Mitosis

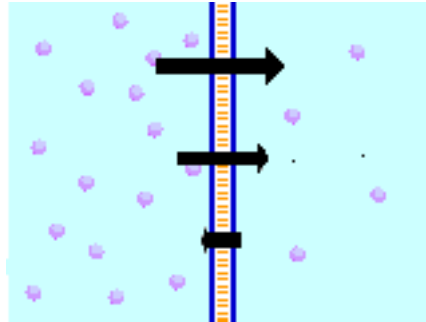
The processes shown show particles moving towards



- A equality
- B diffusion
- C equilibrium
- D mitosis

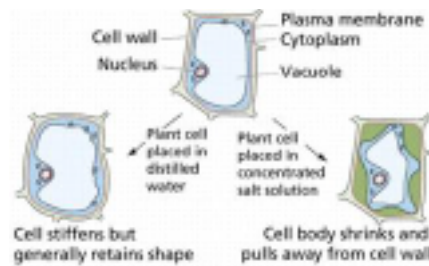
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15 The image below shows water particles. The process that is occurring is known as..



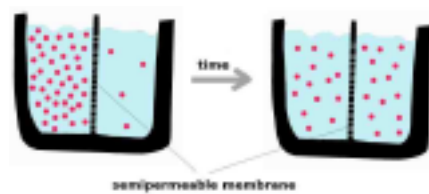
- A Diffusion
- B Osmosis
- C Active transport
- D equilibrium

16 What process is responsible for the cell's change of shape in this diagram below?



- A Diffusion
- B Osmosis
- C Dehydration
- D Hypotonic

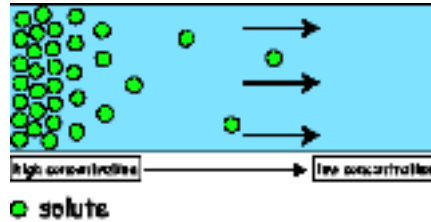
17 If the particles shown below are chlorine dumped into a pool, what process is shown?



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- A diffusion
- B osmosis
- C equilibrium
- D dissolving

18 The picture below represents a solute with different concentrations of particles, this is known as a



- A equilibrium
- B semi-permeable membrane
- C concentration gradient
- D concentration rule

19 "Is there anything else in here besides us?" I asked glancing cautiously around..."She laughed, a little shakily. "Several mice, I think, and other vermin. And a smell that would knock a ferret over."

"I noticed the smell. Where in God's name are we?"

– Outlander by Diana Gabaldon

What process would cause the women to immediately notice the smell in the dark hole they are in?

- A diffusion
- B osmosis
- C equilibrium
- D dissolving

## Answer Key: a/sexual reprod. quiz

Question	Key
1	D
2	A
3	B
4	A
5	B
6	C
7	B
8	C
9	A
10	A
11	A
12	C
13	D
14	C
15	B
16	B
17	A
18	C
19	A